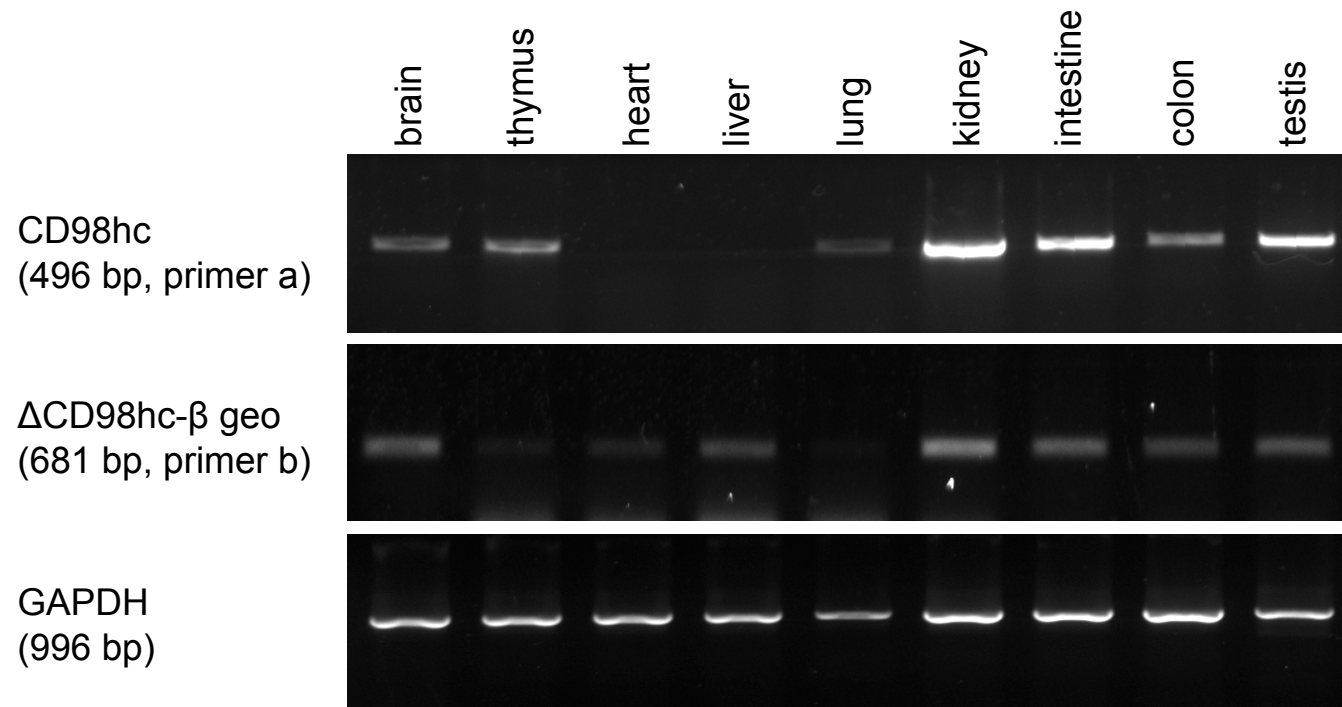


Supplement 1



Expression of CD98hc mRNA and Δ CD98hc- β geo mRNA in various tissues obtained from a CD98hc $^{\Delta/+}$ adult mouse. Primer set A, which amplifies whole translated region of exon 9 (496 bp), yields the expected PCR product from wild type CD98hc allele (+). Primer set B, which amplifies a part of β -geo sequence (681 bp), yields PCR products only from the mutant allele (Δ). Note that primer set A yields the 496-bp band that shows the presence of wild type CD98hc allele in all the offspring. GAPDH represents control expression. GAPDH fwd primer; GAAGGTCGGTGTGAACGGATT, GAPDH Rev primer; TACTCCTTGGAGGCCATGTAGG.

Supplement 2

